

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|---|--|------------------|---------|------------------|
| S1 | 1 | 10/536526.app. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 08:16 |
| S2 | 140145 | "250"/.clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 08:16 |
| S3 | 832 | S2 and (optical same detector same meter) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 08:34 |
| S4 | 5 | S3 and (fluid near meter) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 08:19 |
| S5 | 80 | S3 and (fluid same meter) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 08:29 |
| S6 | 10 | S5 and (counter and dis\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 08:28 |
| S7 | 3 | zuefferey.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 08:28 |
| S8 | 369 | hoss.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 08:28 |

EAST Search History

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|-----|-----|--|--|----|-----|------------------|
| S9 | 2 | S8 and ("4327362") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 08:28 |
| S10 | 3 | ("4983828" "5064290").PN. OR ("5266797").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/12/04 08:29 |
| S11 | 46 | ("3083357" "3508003" "3604811" "3754815" "3806875" "3849698" "4041483" "4137451").PN. OR ("4327362").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/12/04 08:29 |
| S12 | 10 | S11 and (optical same detector same meter) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 08:29 |
| S13 | 0 | S12 and (fluid same meter) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 08:32 |
| S14 | 0 | S10 and (optical same detector same meter) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 09:23 |
| S15 | 0 | cros-alan.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 08:32 |
| S16 | 410 | cros.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 08:32 |
| S17 | 10 | S16 and (fluid near meter) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 08:33 |
| S18 | 67 | bulteau.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 08:33 |

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| S19 | 11 | S18 and (fluid near meter) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 08:33 |
| S20 | 2 | ("5134304" "6512217").PN. OR ("7030362").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/12/04 08:34 |
| S21 | 1270 | 356/445.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/04 08:34 |
| S22 | 0 | S21 and (optical same detector same meter and fluid near meter) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 12:33 |
| S23 | 17 | S21 and (optical same detector same meter) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 08:35 |
| S24 | 0 | S23 and (fluid near meter) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 08:35 |
| S25 | 2 | "4327362".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 09:24 |
| S26 | 2 | "5266797".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 09:24 |
| S27 | 8 | "1648690".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 09:26 |
| S28 | 1 | 1992-046913.NRAN. | DERWENT | OR | OFF | 2006/12/04 09:25 |
| S29 | 9 | "2230629".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 09:27 |

EAST Search History

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| S30 | 5 | "2740216".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 09:26 |
| S31 | 3 | ("4983828" "5064290").PN. OR ("5266797").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/12/04 12:04 |
| S32 | 46 | ("3083357" "3508003" "3604811" "3754815" "3806875" "3849698" "4041483" "4137451").PN. OR ("4327362").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/12/04 12:22 |
| S33 | 10 | S32 and (optical same detector same meter) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 12:23 |
| S34 | 1188 | 250/231.13.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 12:23 |
| S35 | 11 | S34 and (optical same detector same meter) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 12:23 |
| S36 | 4 | S35 and fluid | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 12:23 |
| S37 | 274 | (optical same detector same meter and fluid same meter) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 12:33 |
| S38 | 164 | S37 and (emit\$4 and receiv\$4 and angle or degree) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 12:34 |
| S39 | 164 | S38 and (disc or disk or axis or detect\$5 or collimat\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 12:36 |

EAST Search History

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| S40 | 164 | S39 and (fluid same meter) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 12:37 |
| S41 | 148 | S40 and (reflect\$4 same angle or degrees) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 16:43 |
| S42 | 78 | S38 and (disc or disk and axis and detect\$5 or collimat\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 12:36 |
| S43 | 78 | S42 and (fluid same meter) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 12:50 |
| S44 | 11 | S42 and (fluid near meter) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/05 10:14 |
| S45 | 274 | (optical same detector same meter and fluid same meter) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 16:43 |
| S46 | 164 | S45 and (emit\$4 and receiv\$4 and angle or degree) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 16:43 |
| S47 | 164 | S46 and (disc or disk or axis or detect\$5 or collimat\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 16:43 |
| S48 | 164 | S47 and (fluid same meter) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 16:43 |

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| S49 | 148 | S48 and (reflect\$4 same angle or degrees) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 16:43 |
| S50 | 59 | S49 and (led or diode and optical and collimat\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/04 16:43 |
| S51 | 4819 | rotati\$4 same dis\$3 same detector same optical | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/05 07:52 |
| S52 | 8 | S51 and (fluid same meter and receiv\$4 and emitt\$4 and collimat\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/05 08:29 |
| S53 | 568 | S51 and (receiv\$4 and emitt\$4 and collimat\$4 and angle and degree\$2) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/05 10:10 |
| S54 | 409 | S53 and (align\$4 and axis and reflect\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/05 08:32 |
| S55 | 45 | S54 and (slit\$4 same collimat\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/05 08:32 |
| S56 | 113 | ("4026654" "4538181" "4621705" "4626850" "4757450" "4833469" "4849731" "4926170" "5039217").PN. OR ("5249157").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/12/05 10:10 |
| S57 | 54 | S56 not (car) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/12/05 14:45 |
| S58 | 2 | S57 and (receiv\$4 and emitt\$4 and collimat\$4 and angle and degree\$2) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/05 10:40 |

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|-----|------|--|--|----|-----|------------------|
| S59 | 2593 | 250/221.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/05 10:14 |
| S60 | 125 | S59 and (receiv\$4 and emitt\$4 and collimat\$4 and angle and optical and reflect\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/05 11:28 |
| S61 | 99 | S60 not (vehicle) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/05 10:23 |
| S62 | 0 | S61 and (collimat\$4 near slit\$2) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/05 10:24 |
| S63 | 1 | S60 and (collimat\$4 near slit\$2) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/05 10:24 |
| S64 | 1 | ("2002/0003206").URPN. | USPAT | OR | OFF | 2006/12/05 10:40 |
| S65 | 0 | S64 and (receiv\$4 and emitt\$4 and collimat\$4 and angle and degree\$2) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/05 10:50 |
| S66 | 29 | ("4677604" "5065429" "5150339" "5191611" "5371792" "5392351" "5400403" "5430281" "5457668" "5457746" "5489768" "5513169" "5587984" "5696757" "5698833" "5706047" "5706266" "5714935" "5754649" "5761301" "5807640" "5822291" "5826156" "5905798" "6052465"). PN. OR ("6229896").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/12/05 10:50 |
| S67 | 1 | S66 and (receiv\$4 and emitt\$4 and collimat\$4 and angle and optical and reflect\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/05 10:50 |
| S68 | 99 | S61 and (receiv\$4 and emitt\$4 and collimat\$4 and angle and optical and reflect\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/05 11:21 |

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| S69 | 59 | S68 and (plurality same (emitt\$4 or receiv\$4 or light\$3 or detect\$4)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/05 11:22 |
| S70 | 49 | (US-20060124836-\$ or US-20060124843-\$ or US-20050030864-\$ or US-20060118708-\$).did. or (US-3857641-\$ or US-5592293-\$ or US-6205111-\$ or US-5469416-\$ or US-5587901-\$ or US-5949746-\$ or US-5805539-\$ or US-5815475-\$ or US-5825734-\$ or US-5838666-\$ or US-5867466-\$ or US-4607358-\$ or US-5321675-\$ or US-5623459-\$ or US-5748590-\$ or US-5859740-\$ or US-4358803-\$ or US-5208642-\$ or US-3815126-\$ or US-4774463-\$ or US-4897827-\$ or US-5259568-\$ or US-6069863-\$ or US-6212149-\$ or US-6253193-\$ or US-6316077-\$).did. or (US-6363488-\$ or US-6389402-\$ or US-6427140-\$ or US-4496835-\$ or US-4536650-\$ or US-5442598-\$ or US-4356732-\$ or US-4764441-\$ or US-4925776-\$ or US-4953152-\$ or US-5470694-\$ or US-5864135-\$ or US-6545959-\$ or US-6172998-\$ or US-6185167-\$ or US-4516159-\$ or US-5199013-\$ or US-5733623-\$ or US-5010334-\$).did. | US-PGPUB; USPAT | OR | OFF | 2006/12/05 11:28 |
| S71 | 48 | S70 and (receiv\$4 and emitt\$4 and collimat\$4 and angle and optical and reflect\$4 and optic\$4 and disk or disc\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/05 11:29 |
| S72 | 24 | S71 and (optical same detector) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/05 11:30 |
| S73 | 3 | S71 and (optical same detector and slit) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/05 11:30 |
| S74 | 113 | ("4026654" "4538181" "4621705" "4626850" "4757450" "4833469" "4849731" "4926170" "5039217").PN. OR ("5249157").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/12/05 14:45 |
| S75 | 54 | S74 not (car) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/12/05 14:45 |
| S76 | 0 | S75 and (indicator same dis\$2) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/12/05 14:45 |
| S77 | 0 | S75 and (emitt\$4 and receive\$4 same dis\$2) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/12/05 14:46 |
| S78 | 2 | S75 and (emitt\$4 and receive\$4 and dis\$2) | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/12/05 14:46 |

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| S79 | 37 | (US-20060118708-\$ or US-20060124836-\$ or US-20060124843-\$ or US-20020003206-\$ or US-20010002694-\$ or US-20020148952-\$).did. or (US-4327362-\$ or US-7049578-\$ or US-5266797-\$ or US-4180375-\$ or US-3744909-\$ or US-4373816-\$ or US-4420829-\$ or US-4550395-\$ or US-5107107-\$ or US-5233405-\$ or US-5249157-\$ or US-4538181-\$ or US-6052465-\$ or US-6128388-\$ or US-6160888-\$ or US-6229896-\$ or US-3739177-\$ or US-3742222-\$ or US-5210406-\$ or US-5393973-\$ or US-5461227-\$ or US-6444973-\$).did. or (US-3524066-\$ or US-2690093-\$ or US-3031880-\$ or US-2562525-\$ or US-3277304-\$ or US-3326077-\$ or US-2769374-\$).did. or (GB-2230629-\$).did. or (FR-2740216-\$).did. | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | OFF | 2006/12/05 15:39 |
| S80 | 2 | S79 and (emitt\$4 and receiv\$4 and reflect\$4 and detect\$4 and angle and meter and (non adj reflect\$4)) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/05 15:56 |
| S81 | 11 | S79 and (emitt\$4 and receiv\$4 and reflect\$4 and detect\$4 and angle and meter) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/05 16:01 |
| S82 | 2 | ("4600305" "5694153").PN. OR ("6444973").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/12/05 15:58 |
| S83 | 113 | ("4026654" "4538181" "4621705" "4626850" "4757450" "4833469" "4849731" "4926170" "5039217").PN. OR ("5249157").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/12/05 16:00 |
| S84 | 19 | S83 and (emitt\$4 and receiv\$4 and reflect\$4 and detect\$4 and angle and meter) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/05 16:06 |
| S85 | 11 | S83 and (emitt\$4 and receiv\$4 and reflect\$4 and detect\$4 and meter and disk or disc) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/05 16:03 |
| S86 | 7 | ("3326077").URPN. | USPAT | OR | OFF | 2006/12/05 16:06 |
| S87 | 0 | S86 and (emitt\$4 and receiv\$4 and reflect\$4 and detect\$4 and optic\$4 and dis\$2) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/05 16:07 |
| S88 | 0 | S86 and (emitt\$4 and receiv\$4 and reflect\$4 and detect\$4) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/05 16:19 |
| S89 | 34 | S79 and ("180" or degrees or angle) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/05 16:20 |
| S90 | 31 | S89 and (emitt\$4 and receiv\$4 and reflect\$4 and detect\$4) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/05 16:28 |

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| S91 | 7 | S90 and (fluid same meter) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/05 16:36 |
| S92 | 3 | S79 and ("180" same degree) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/05 16:20 |
| S93 | 3 | S92 and (emitt\$4 and receiv\$4 and reflect\$4 and detect\$4) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/05 16:28 |
| S94 | 19 | S90 and (transparent) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/05 16:40 |
| S96 | 8 | S90 and (fluid and meter) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/05 16:40 |
| S97 | 37 | (US-20060118708-\$ or US-20060124836-\$ or US-20060124843-\$ or US-20020003206-\$ or US-20010002694-\$ or US-20020148952-\$).did. or (US-4327362-\$ or US-7049578-\$ or US-5266797-\$ or US-4180375-\$ or US-3744909-\$ or US-4373816-\$ or US-4420829-\$ or US-4550395-\$ or US-5107107-\$ or US-5233405-\$ or US-5249157-\$ or US-4538181-\$ or US-6052465-\$ or US-6128388-\$ or US-6160888-\$ or US-6229896-\$ or US-3739177-\$ or US-3742222-\$ or US-5210406-\$ or US-5393973-\$ or US-5461227-\$ or US-6444973-\$).did. or (US-3524066-\$ or US-2690093-\$ or US-3031880-\$ or US-2562525-\$ or US-3277304-\$ or US-3326077-\$ or US-2769374-\$).did. or (GB-2230629-\$).did. or (FR-2740216-\$).did. | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | OFF | 2006/12/06 08:53 |
| S98 | 34 | S97 and ("180" or degrees or angle) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/06 07:44 |
| S99 | 31 | S98 and (emitt\$4 and receiv\$4 and reflect\$4 and detect\$4) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/06 17:12 |
| S10 0 | 7 | S99 and (fluid same meter) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/06 16:52 |
| S10 1 | 18 | S99 and (collimat\$4 same slit) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/06 08:48 |
| S10 2 | 9 | S97 and (fluid same meter) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/06 09:15 |

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| S10 3 | 4941 | (fluid near meter) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/06 08:55 |
| S10 4 | 126 | S103 and (emitt\$4 and receiv\$4 and reflect\$4 and detect\$4) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/06 09:09 |
| S10 5 | 23 | S104 and (rotat\$4 near disk) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/06 08:59 |
| S10 6 | 19 | S104 and (slit or collimat\$4) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/06 09:06 |
| S10 7 | 5 | S106 and (rotat\$4 same disk) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/06 09:00 |
| S10 8 | 5 | S106 and (rotat\$4 same dis\$2) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/06 09:00 |
| S10 9 | 2634 | fluid adj meter | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/06 09:06 |
| S11 0 | 53 | S109 and (emitt\$4 and receiv\$4 and reflect\$4 and detect\$4) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/06 12:11 |
| S11 1 | 69 | optical same detector near meter | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/06 09:09 |
| S11 2 | 22 | S111 and (emitt\$4 and receiv\$4 and reflect\$4 and detect\$4) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/06 09:12 |
| S11 3 | 8 | S112 and fluid | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/06 09:12 |
| S11 4 | 149236 | meter same (fluid or water or liquid) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/06 09:26 |

EAST Search History

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| S115 | 191 | S114 and (detect\$4 and dis\$2 and emitt\$4 and receiv\$4 and reflect\$4 and slit and angle and degree\$2 and axis) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/06 09:26 |
| S116 | 15 | S115 and (detect\$4 same meter and collimat\$4) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2007/04/09 09:05 |
| S117 | 32 | S115 and (collimat\$4) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/06 09:19 |
| S118 | 2 | ("4600305" "5694153").PN. OR ("6444973").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/12/06 09:22 |
| S119 | 119236 | meter same (fluid or water) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/06 09:26 |
| S120 | 154 | S119 and (detect\$4 and dis\$2 and emitt\$4 and receiv\$4 and reflect\$4 and slit and angle and degree\$2 and axis) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/06 09:27 |
| S121 | 26 | S120 and (angle same degree) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/06 09:28 |
| S122 | 0 | ("2005/0110656").URPN. | USPAT | OR | OFF | 2006/12/06 09:29 |
| S123 | 2 | "5393973".pn. | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/06 12:13 |
| S124 | 4906 | ((rotat\$4 same dis\$2) and (detect\$4 same meter)) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/06 12:23 |
| S125 | 1042 | S124 and (angle same degree) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/06 12:16 |
| S126 | 107 | S125 and (inclin\$4 and reflect\$4) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/06 12:18 |
| S127 | 86 | S126 and (fluid or water or flow or liquid or collimat\$4) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/06 12:24 |

EAST Search History

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| S12 8 | 11 | ("4118042" "4191385" "4425508" "4462580" "5784925" "6252725" "6445440" "6499880" "6515288" "6618122" "6735867").PN. OR ("7025005").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/12/06 12:23 |
| S12 9 | 0 | S128 and ((rotat\$4 same dis\$2) and (detect\$4 same meter)) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/06 12:23 |
| S13 0 | 11 | S128 and (fluid or water or flow or liquid or collimat\$4) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/06 12:24 |
| S13 1 | 37 | (US-20060118708-\$ or US-20060124836-\$ or US-20060124843-\$ or US-20020003206-\$ or US-20010002694-\$ or US-20020148952-\$).did. or (US-4327362-\$ or US-7049578-\$ or US-5266797-\$ or US-4180375-\$ or US-3744909-\$ or US-4373816-\$ or US-4420829-\$ or US-4550395-\$ or US-5107107-\$ or US-5233405-\$ or US-5249157-\$ or US-4538181-\$ or US-6052465-\$ or US-6128388-\$ or US-6160888-\$ or US-6229896-\$ or US-3739177-\$ or US-3742222-\$ or US-5210406-\$ or US-5393973-\$ or US-5461227-\$ or US-6444973-\$).did. or (US-3524066-\$ or US-2690093-\$ or US-3031880-\$ or US-2562525-\$ or US-3277304-\$ or US-3326077-\$ or US-2769374-\$).did. or (GB-2230629-\$).did. or (FR-2740216-\$).did. | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | OFF | 2006/12/06 17:13 |
| S13 2 | 34 | S131 and ("180" or degrees or angle) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/06 17:13 |
| S13 3 | 7 | S132 and (emitt\$4 and receiv\$4 and reflect\$4 and detect\$4 and fluid and collimat\$4 or split) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/06 17:18 |
| S13 4 | 2 | ("20050046824" "5187538").PN. OR ("7049578").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/12/06 17:15 |
| S13 5 | 2 | S134 and (emitt\$4 and receiv\$4 and reflect\$4 and detect\$4 and fluid and collimat\$4 or split) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/06 17:17 |
| S13 6 | 10 | ("4311383" "4974960" "4997272" "5054913").PN. OR ("5187538").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/12/06 17:18 |
| S13 7 | 8 | S136 and (emitt\$4 and receiv\$4 and reflect\$4 and detect\$4 and fluid and collimat\$4 or split) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2006/12/06 17:18 |

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| S13 8 | 38 | (US-20060124836-\$ or US-20020003206-\$ or US-20020148952-\$ or US-20010002694-\$ or US-20050110656-\$).did. or (US-4373816-\$ or US-6229896-\$ or US-6160888-\$ or US-6128388-\$ or US-6052465-\$ or US-5249157-\$ or US-5233405-\$ or US-5107107-\$ or US-4550395-\$ or US-4420829-\$ or US-5266797-\$ or US-4538181-\$ or US-4327362-\$ or US-6444973-\$ or US-5461227-\$ or US-5393973-\$ or US-5210406-\$ or US-3742222-\$ or US-3739177-\$ or US-5694153-\$ or US-7025005-\$ or US-4180375-\$ or US-3744909-\$ or US-5187538-\$ or US-5054913-\$ or US-7049578-\$).did. or (US-3326077-\$ or US-3277304-\$ or US-2769374-\$ or US-3524066-\$ or US-3031880-\$).did. or (GB-2230629-\$).did. or (FR-2740216-\$).did. | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | OFF | 2007/04/06 14:04 |
| S13 9 | 0 | S138 and ((planar same surface) and (nonzero or (non near zero))) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2007/04/06 14:05 |
| S14 0 | 5 | S138 and (planar same surface) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2007/04/06 14:13 |
| S14 1 | 4 | S138 and ((nonzero or zero) with (angle)) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2007/04/06 14:13 |
| S14 2 | 6 | ((optical with detect\$4) same (counter) and diode and angle and meter and reflect\$4 and collimat\$4 and slit\$4 and emitt\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/09 08:45 |
| S14 3 | 11 | ((optical with detect\$4) same (counter) and (angle and meter and reflect\$4 and collimat\$4 and slit\$4 and emitt\$4)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/09 08:45 |
| S14 4 | 152059 | meter same (fluid or water or liquid) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2007/04/09 09:37 |
| S14 5 | 198 | S144 and (detect\$4 and dis\$2 and emitt\$4 and receiv\$4 and reflect\$4 and slit and angle and degree\$2 and axis) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2007/04/09 09:05 |
| S14 6 | 3 | S145 and (detect\$4 same meter same collimat\$4) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2007/04/09 09:21 |
| S14 7 | 185 | S145 and (detect\$4 and angle and (center or nonzero)) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2007/04/09 13:51 |

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| S14 8 | 0 | S147 and (nonzero same center) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2007/04/09 09:23 |
| S14 9 | 21 | S147 and (nonzero and center) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2007/04/09 09:31 |
| S15 0 | 152059 | meter same (fluid or water or liquid) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2007/04/09 13:56 |
| S15 1 | 198 | S150 and (detect\$4 and dis\$2 and emitt\$4 and receiv\$4 and reflect\$4 and slit and angle and degree\$2 and axis) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2007/04/09 13:56 |
| S15 2 | 185 | S151 and (detect\$4 and angle and (center or nonzero)) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2007/04/09 13:56 |
| S15 3 | 1 | S152 and ((fluid or water) near meter) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2007/04/09 14:04 |
| S15 4 | 148 | S152 and ((fluid or water) same (meter or (rotating with dis\$2))) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2007/04/09 14:06 |
| S15 5 | 33 | S154 and (optical with detect\$4) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | ON | 2007/04/09 14:06 |
| S15 6 | 43 | (US-20060124836-\$ or US-20020003206-\$ or US-20020148952-\$ or US-20010002694-\$ or US-20050110656-\$ or US-20050112541-\$ or US-20030235919-\$ or US-20030058451-\$ or US-20030035352-\$).did. or (US-5266797-\$ or US-4327362-\$ or US-4420829-\$ or US-4373816-\$ or US-6229896-\$ or US-6160888-\$ or US-6128388-\$ or US-6052465-\$ or US-5249157-\$ or US-5233405-\$ or US-5107107-\$ or US-4550395-\$ or US-4538181-\$ or US-6444973-\$ or US-5461227-\$ or US-5393973-\$ or US-5210406-\$ or US-3742222-\$ or US-3739177-\$ or US-5694153-\$ or US-5847819-\$ or US-4284496-\$ or US-7025005-\$ or US-3744909-\$ or US-4180375-\$ or US-5187538-\$).did. or (US-5054913-\$).did. or (US-3326077-\$ or US-3277304-\$ or US-2769374-\$ or US-3524066-\$ or US-3031880-\$).did. or (GB-2230629-\$).did. or (FR-2740216-\$).did. | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | OFF | 2007/04/10 15:46 |
| S15 7 | 1 | S156 and ((nonzero or (non with zero)) same angle) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | OFF | 2007/04/10 16:15 |

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| S15 8 | 6 | ((emitt\$4 same receiv\$4 same planar same reflect\$4) and ((nonzero or (non with zero)) same angle)) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | OFF | 2007/04/10 16:15 |
| S15 9 | 6 | S158 and ((nonzero or (non with zero)) same angle) | US-PGPUB; USPAT; USOCR; EPO; DERWENT | OR | OFF | 2007/04/10 16:15 |